

FIG. 1

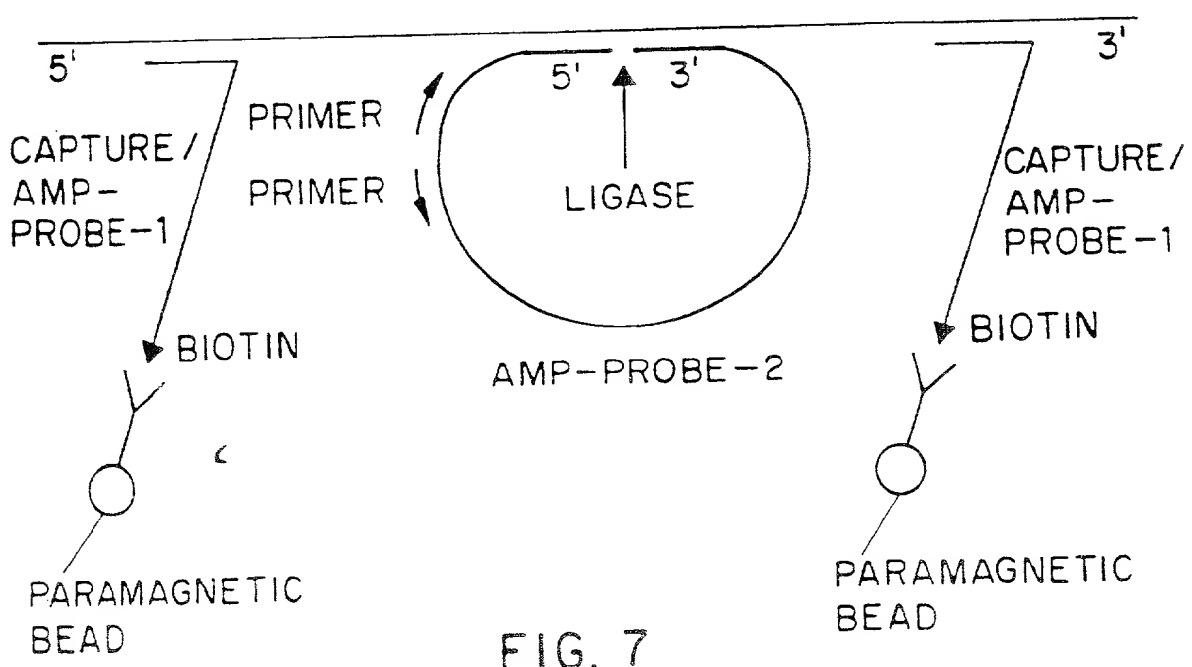


FIG. 7

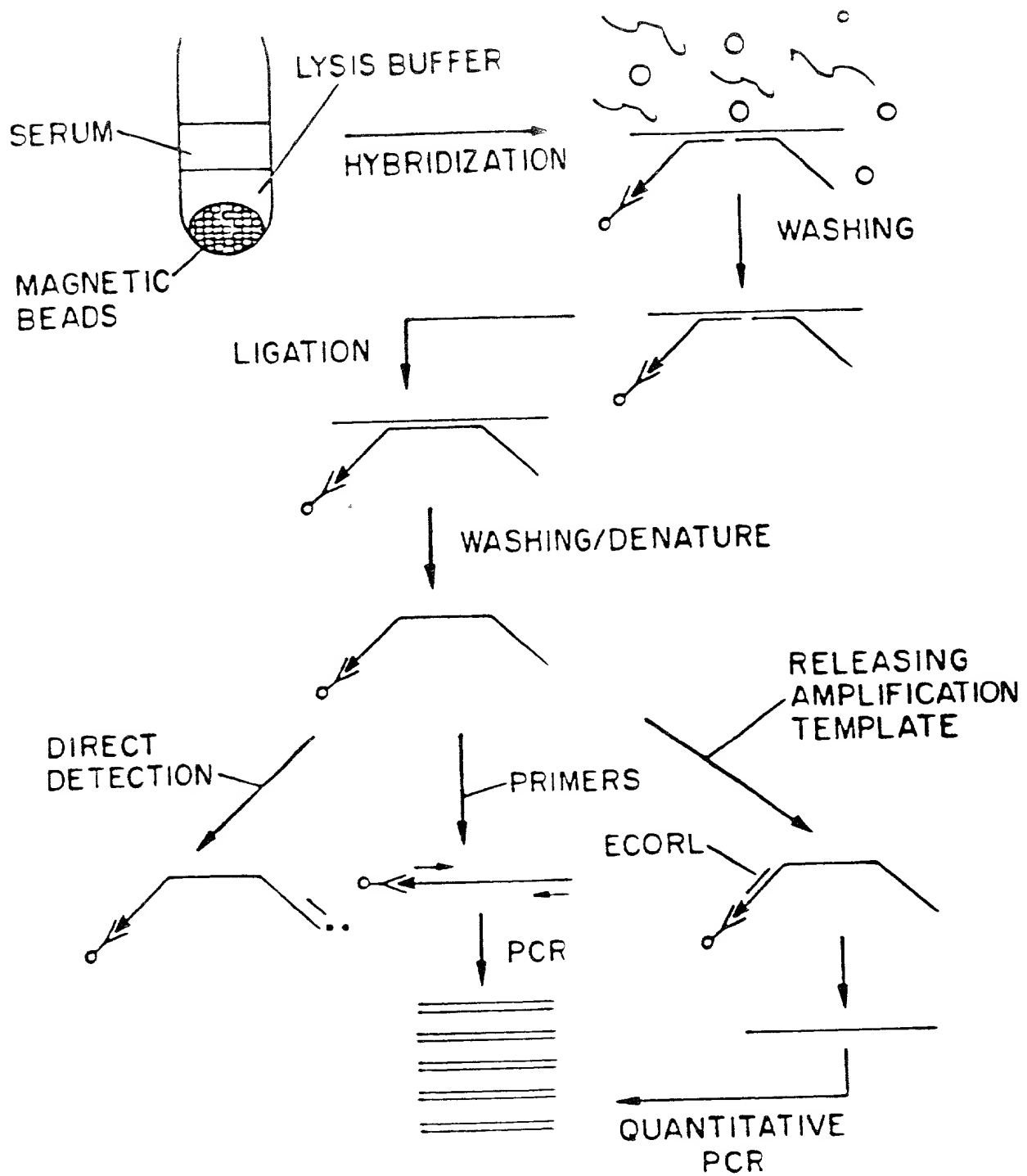


FIG. 2



FIG.3

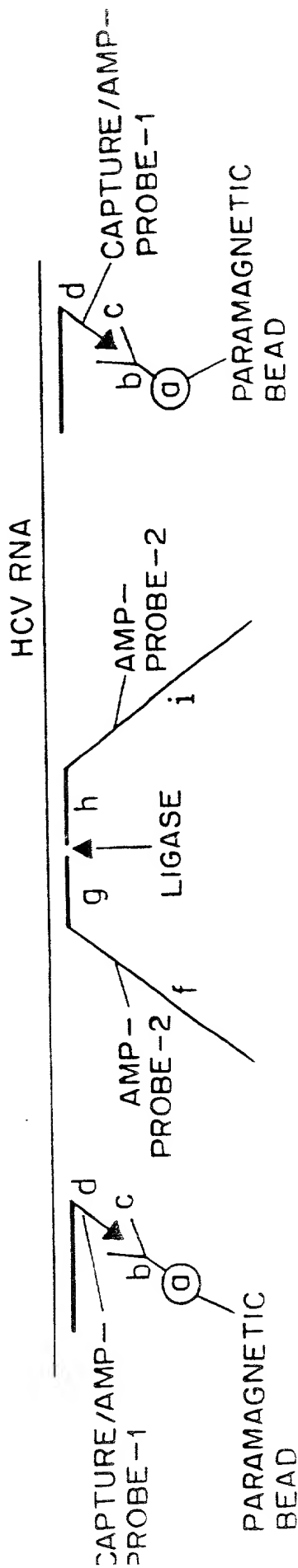


FIG. 4

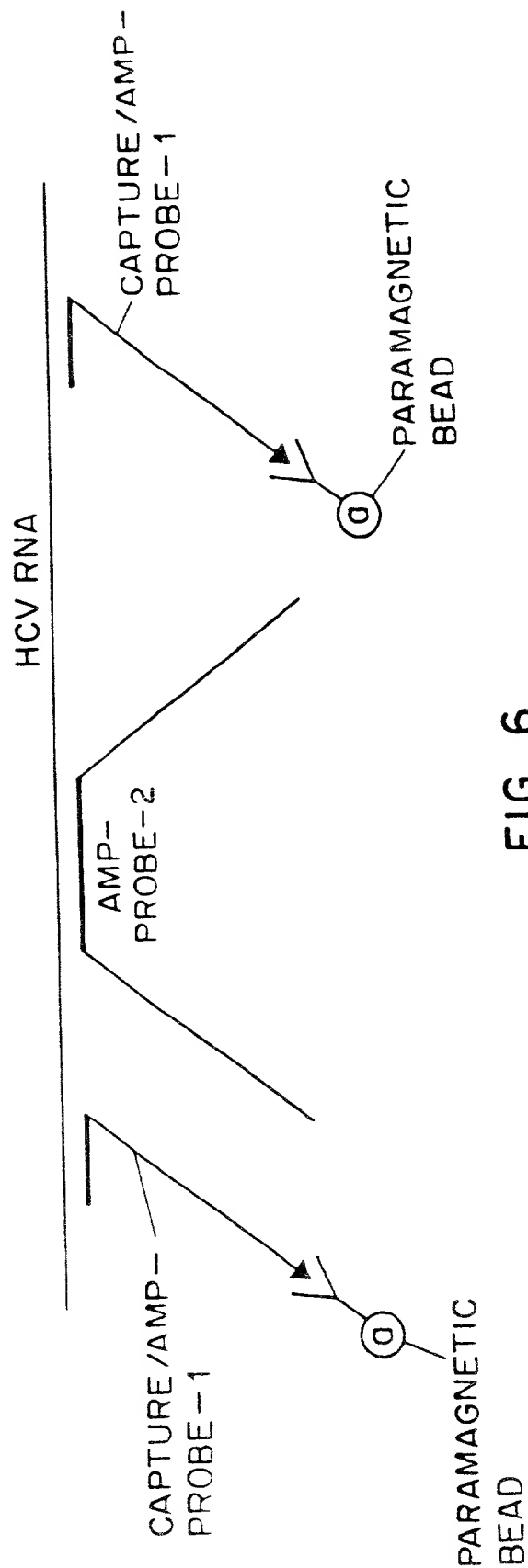


FIG. 6

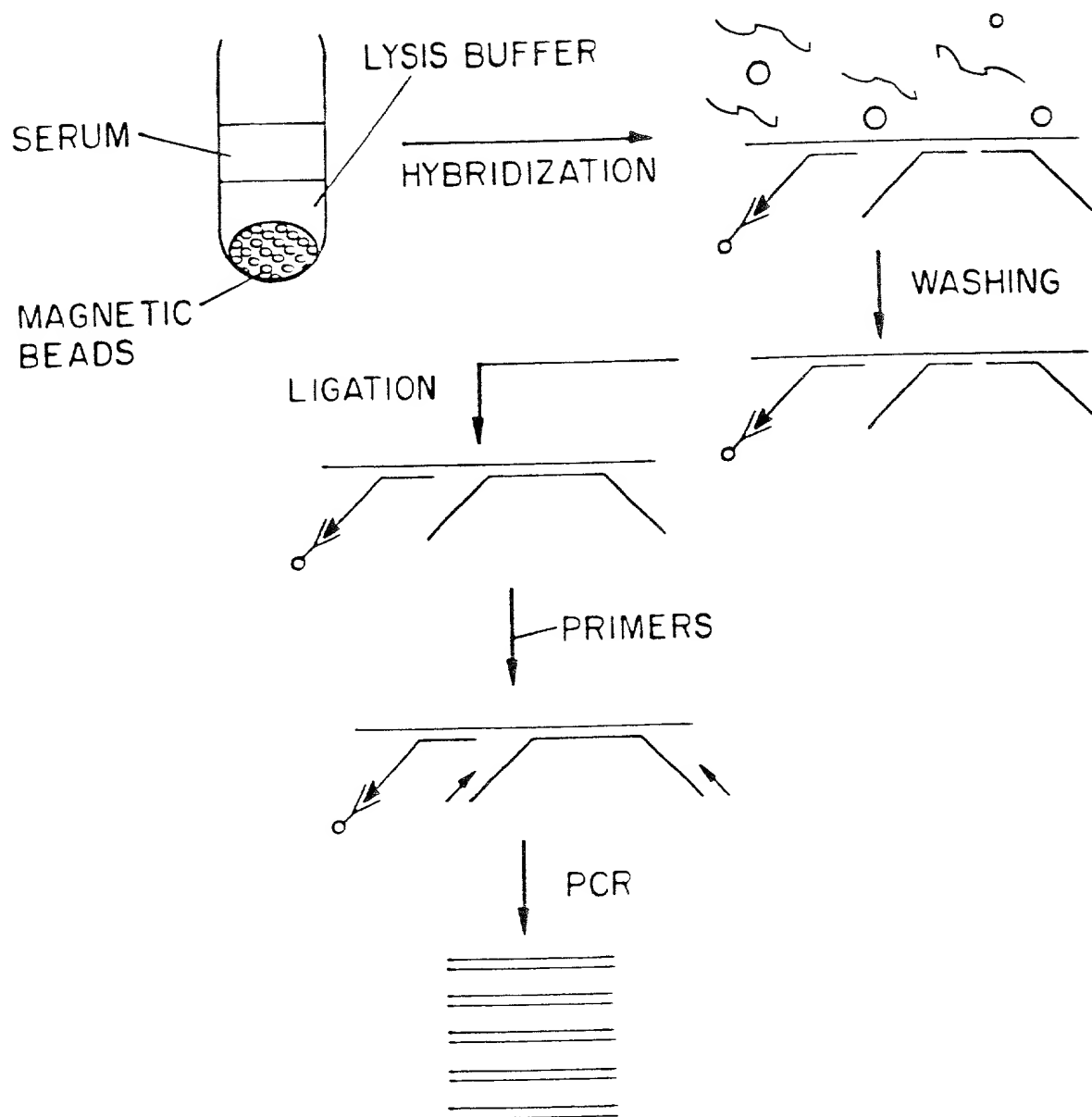


FIG. 5

24045
(6 of 24)

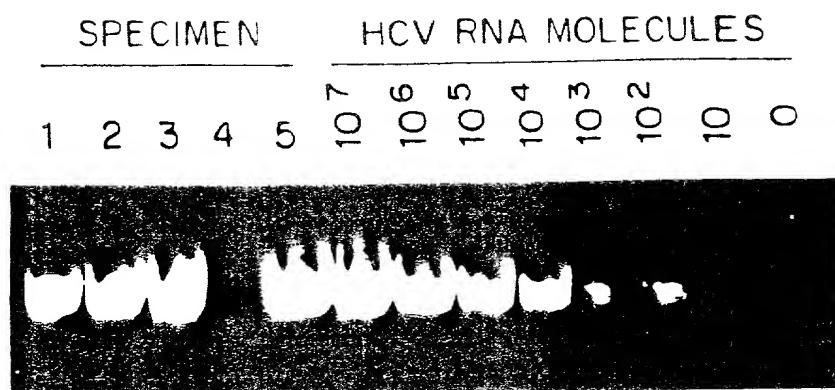


FIG.8

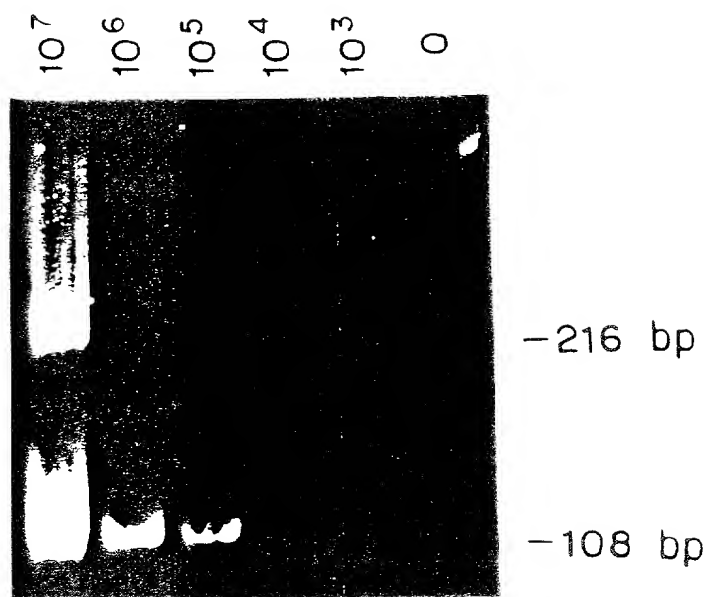


FIG.9

105101 10232660

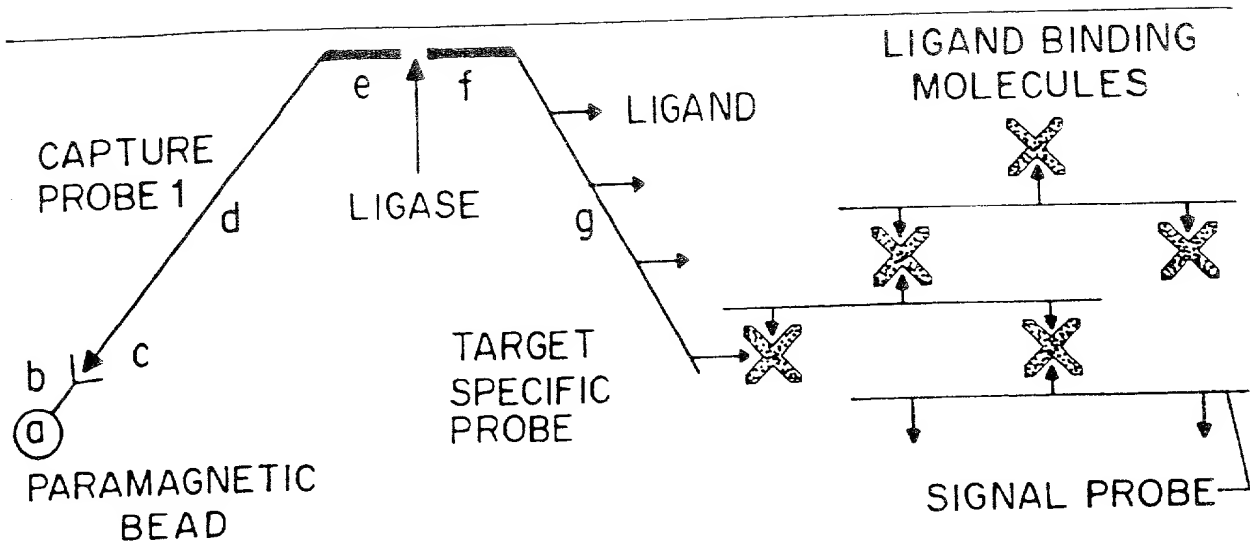


FIG. 10

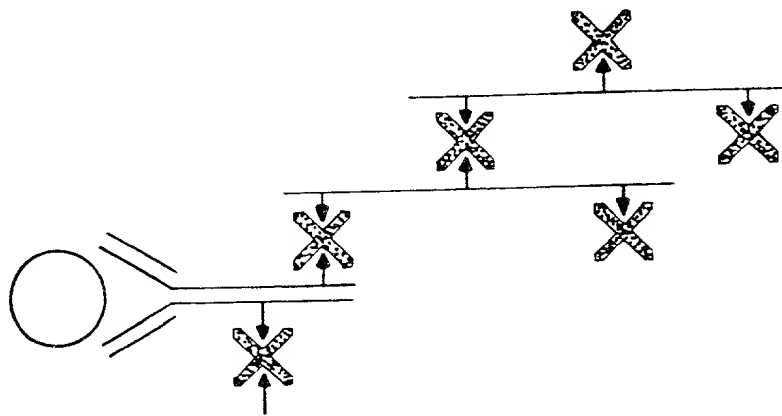


FIG. 11

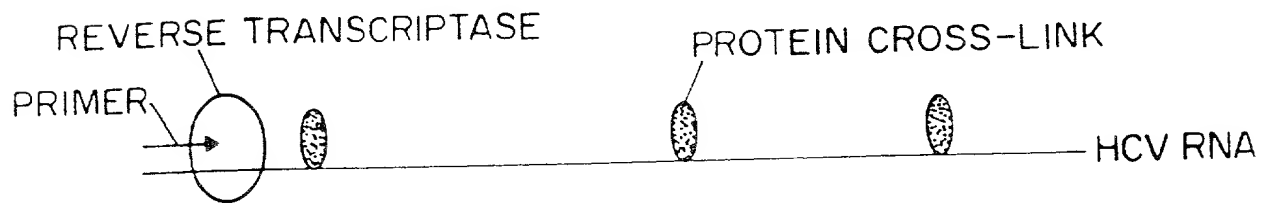


FIG. 12A

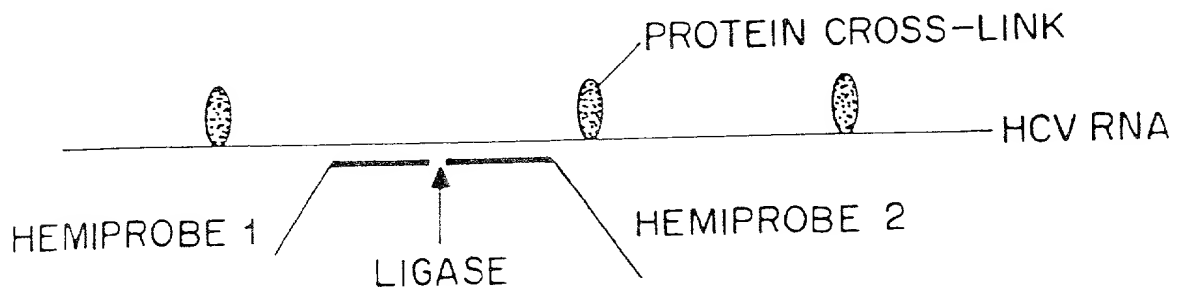


FIG. 12B

29545
(2424)

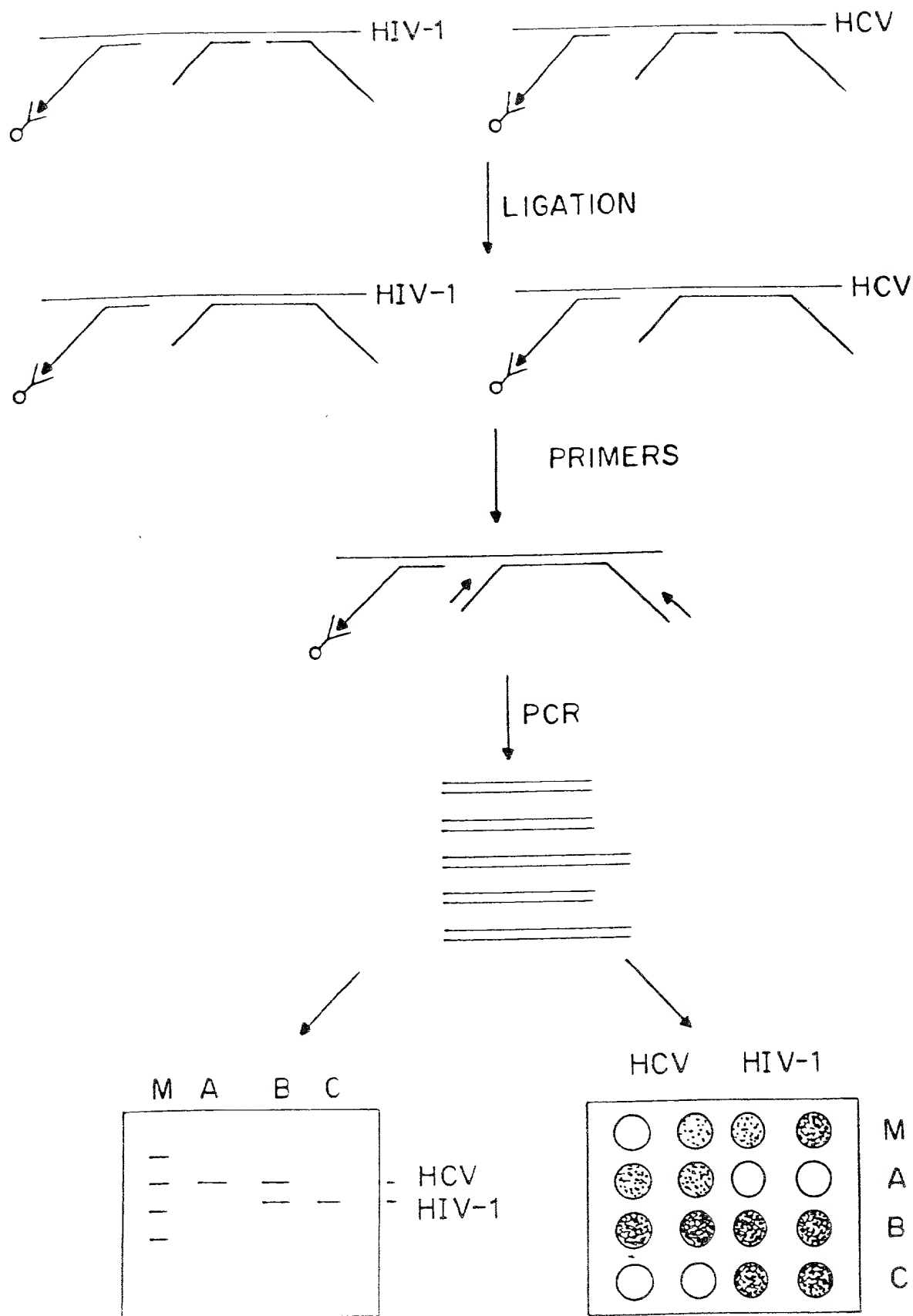


FIG 13

29545
(9924)

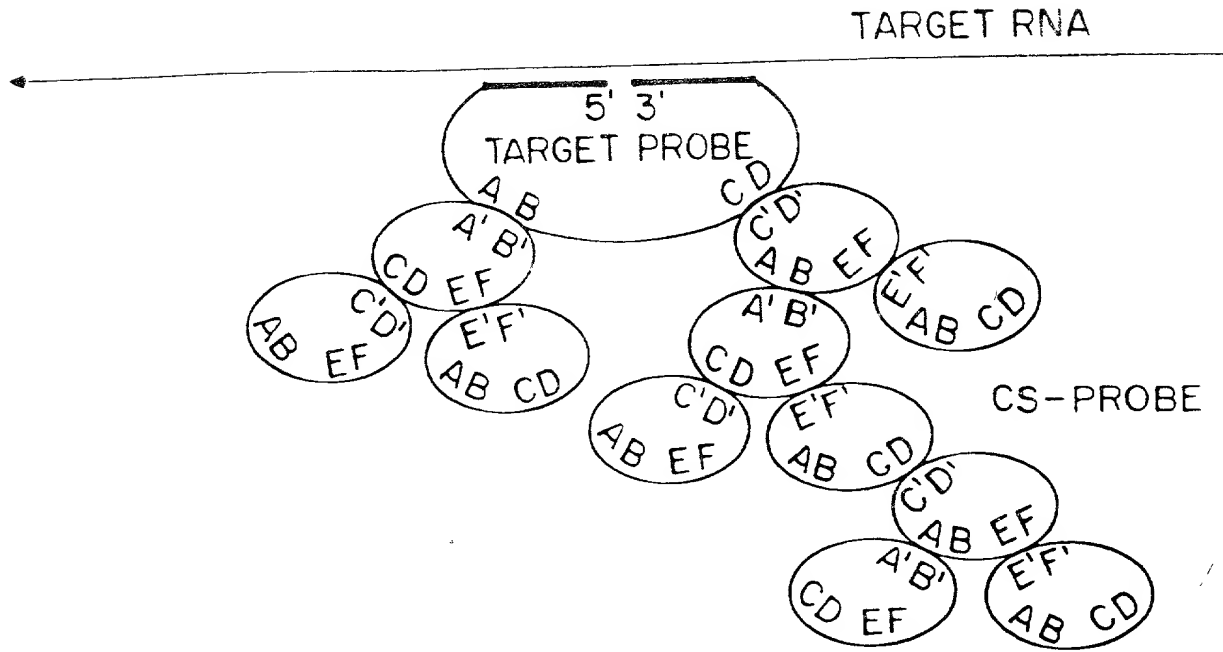


FIG. 14

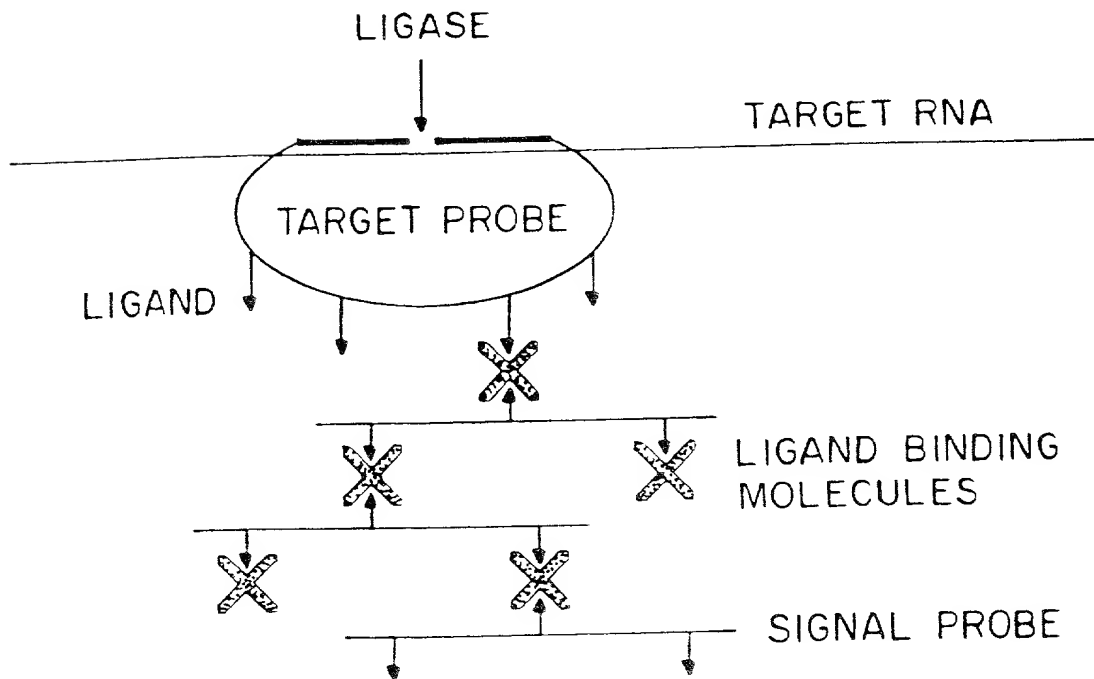
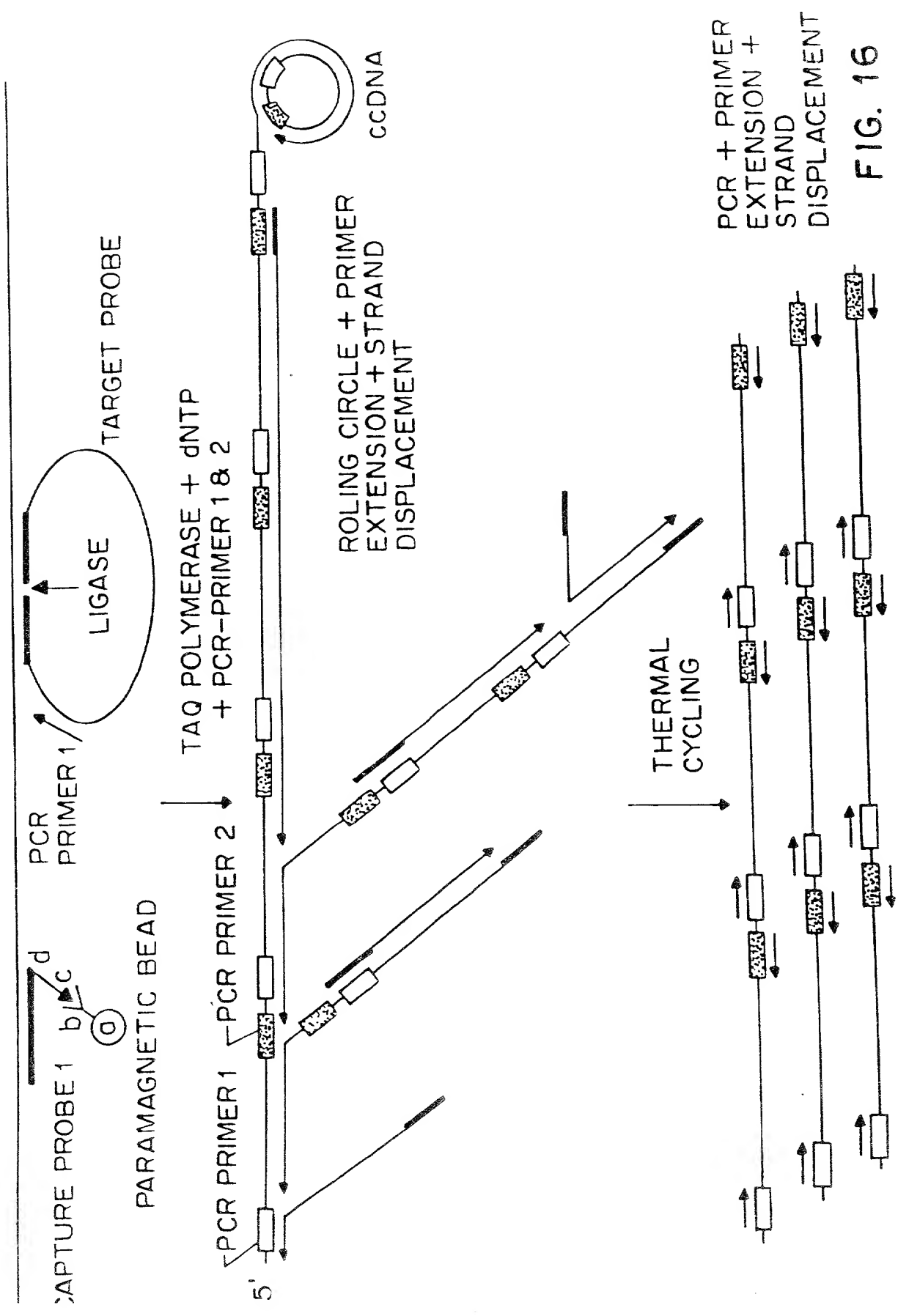


FIG. 15

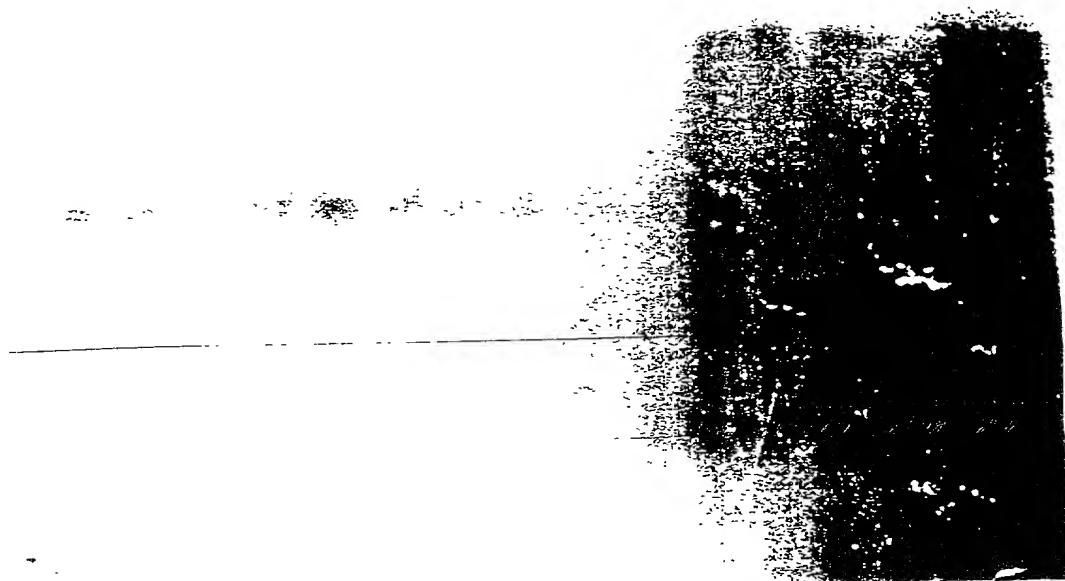
29545
(10 of 24)

FIG. 16



29345
(11/27)

00072064 101504



Without Ligation

With Ligation

FIG.18

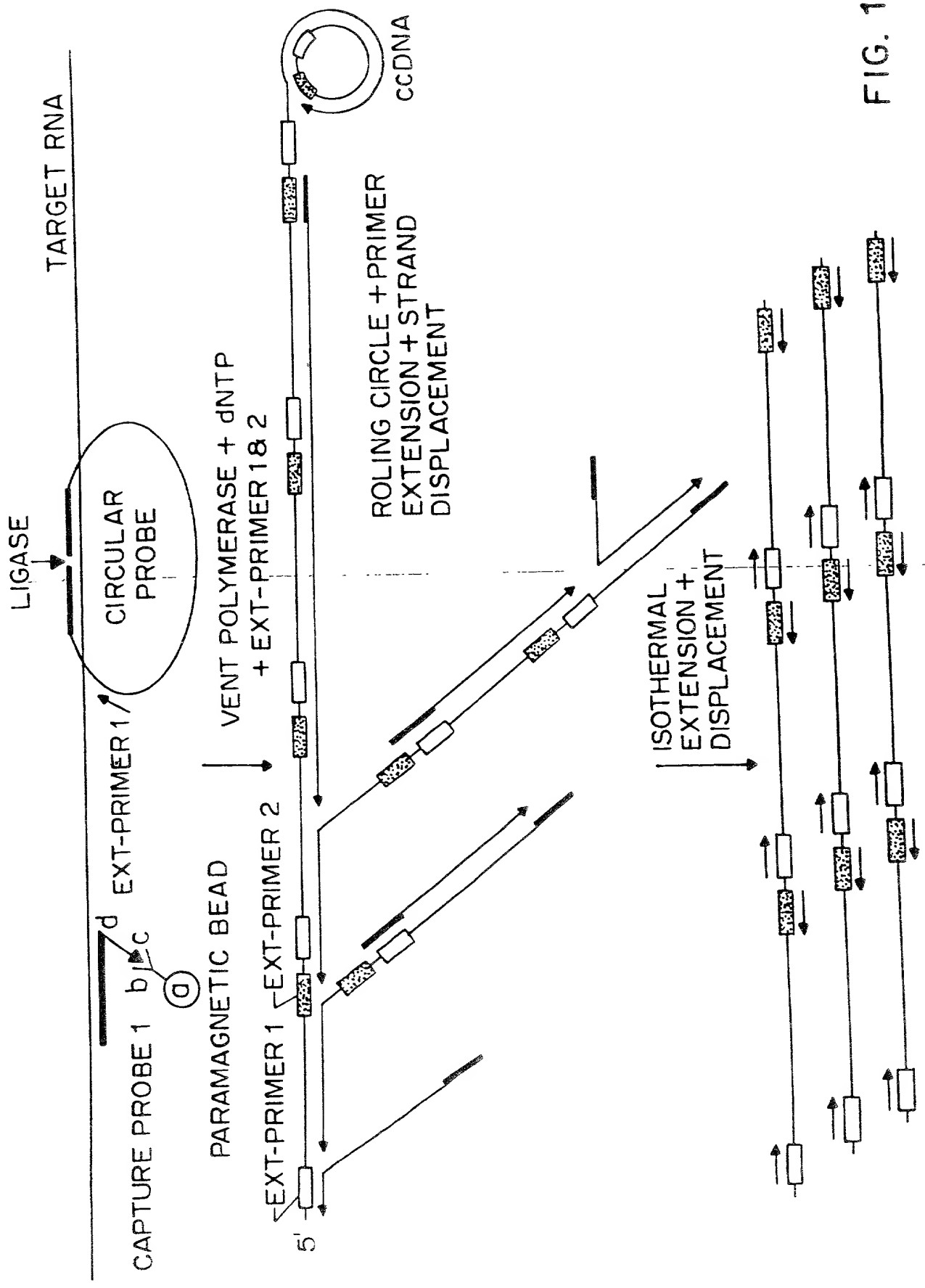


FIG. 19

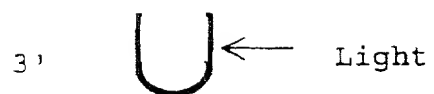
2 9545
(13 of 24)

DABCYL
|
CGTCAATGCATG 5'
GCAGTTACGTACTGCGCACTA
|
Fluoresce

Molecular



A



B

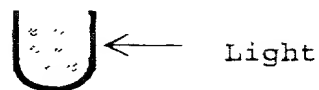


Fig. 20

29,545
(140+24)

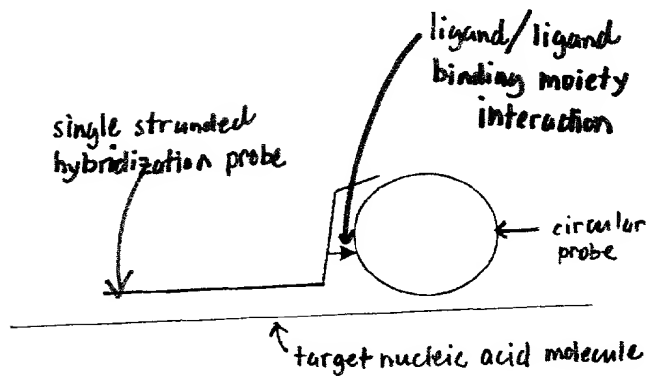
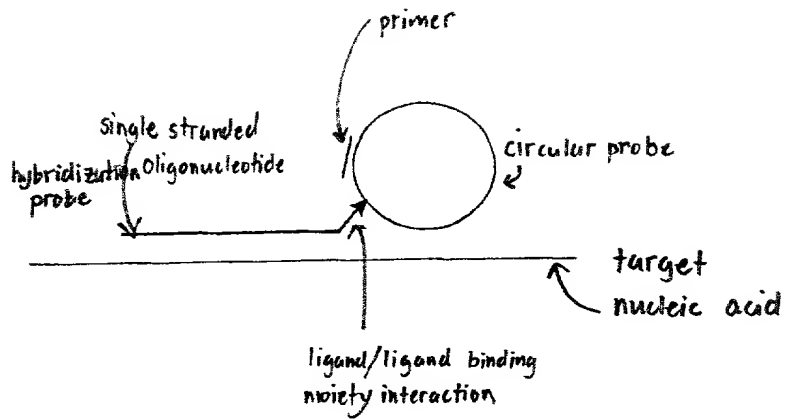
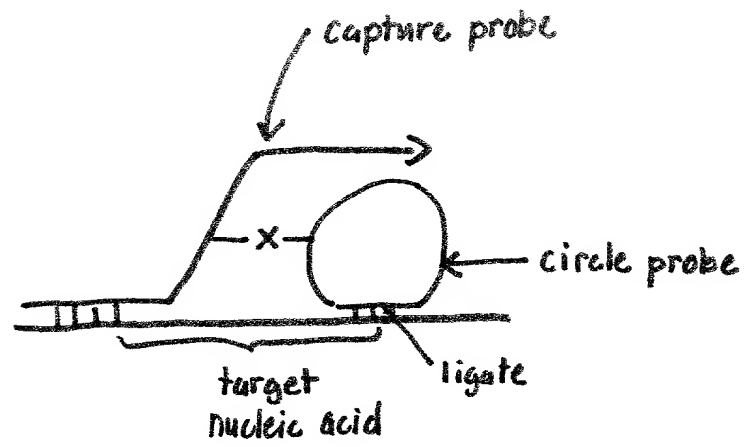
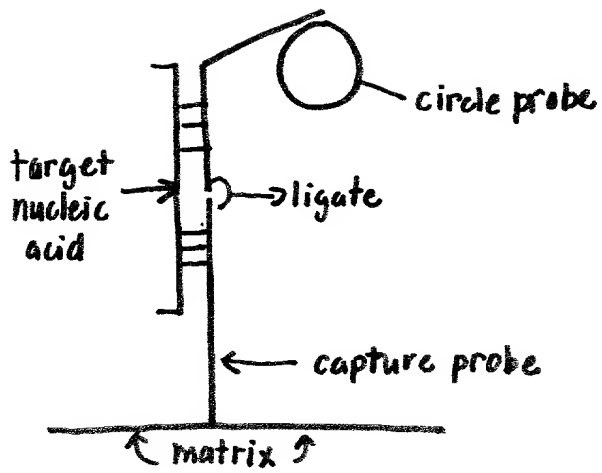


Figure 2) A-B

29545
(15 of 24)



21 C



21D

Figure 21 C-D

100,000 molecules

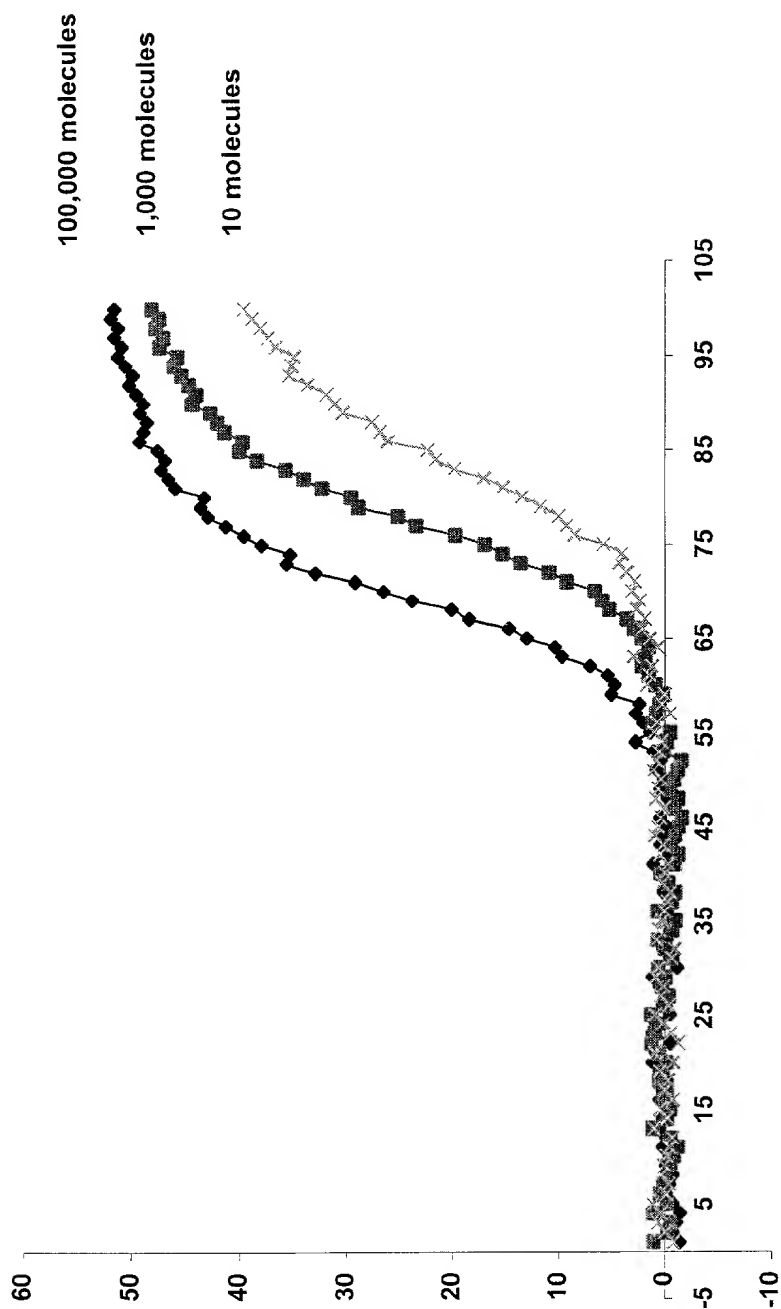
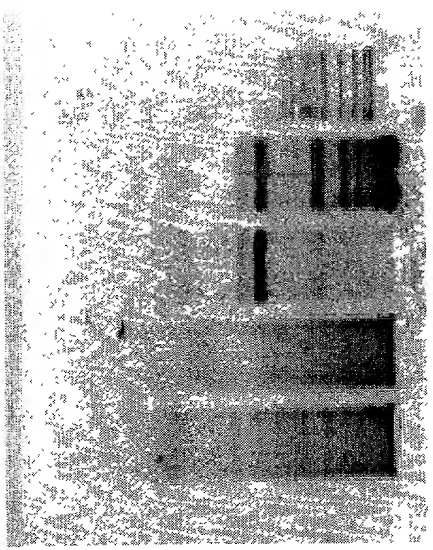


Figure 22

29545
(160424)

Inhibition of biotin-avidin on RAM (Bst/P29)

Bst polymerase



Marker

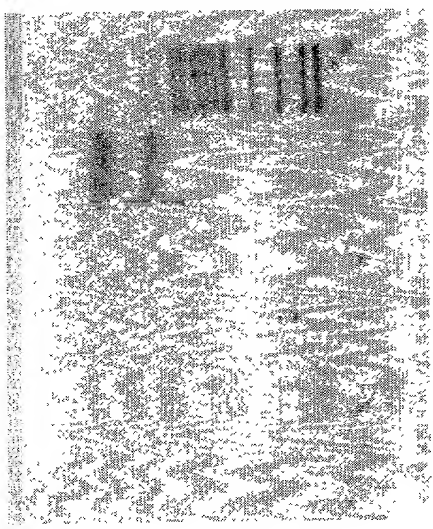
C-P

Biotinylated-C-P

B C-P + Avidin

B C-P + Avidin + S-P

φ 29 polymerase



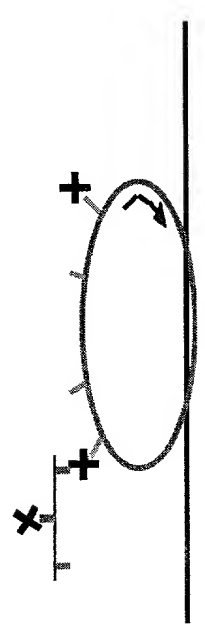
Marker

C-P

Biotinylated-C-P

B C-P + Avidin

B C-P + Avidin + S-P



29545
(180424)

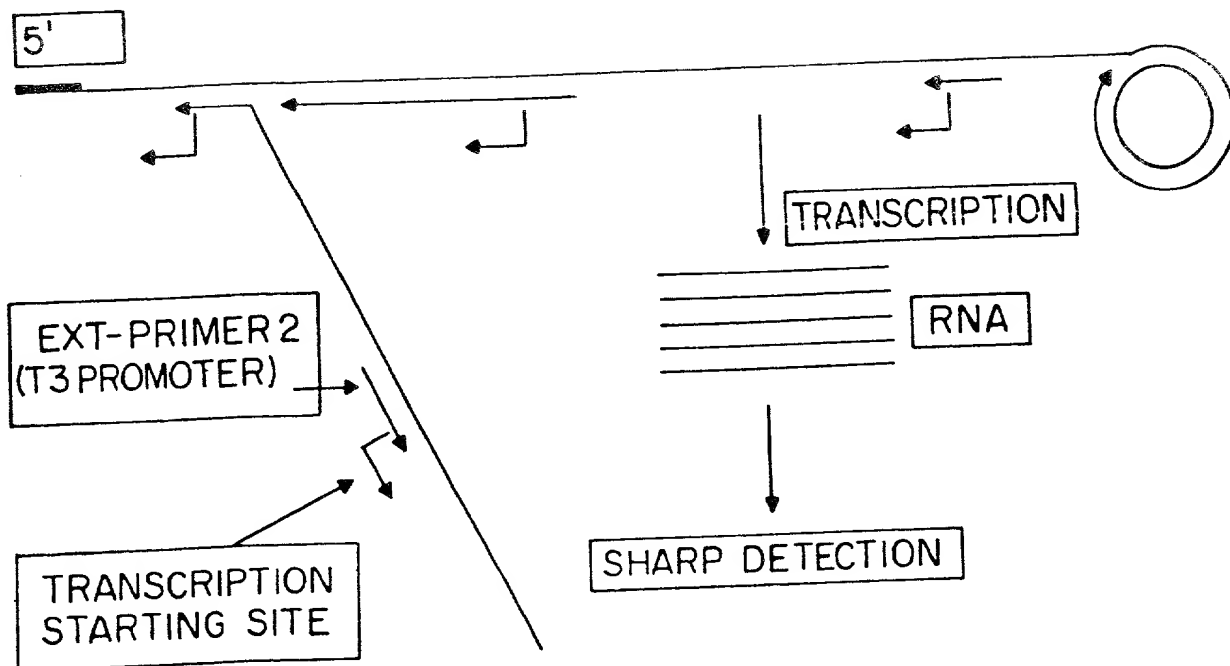


FIG. 17

ROLING CIRCLE +
PRIMER EXTENSION

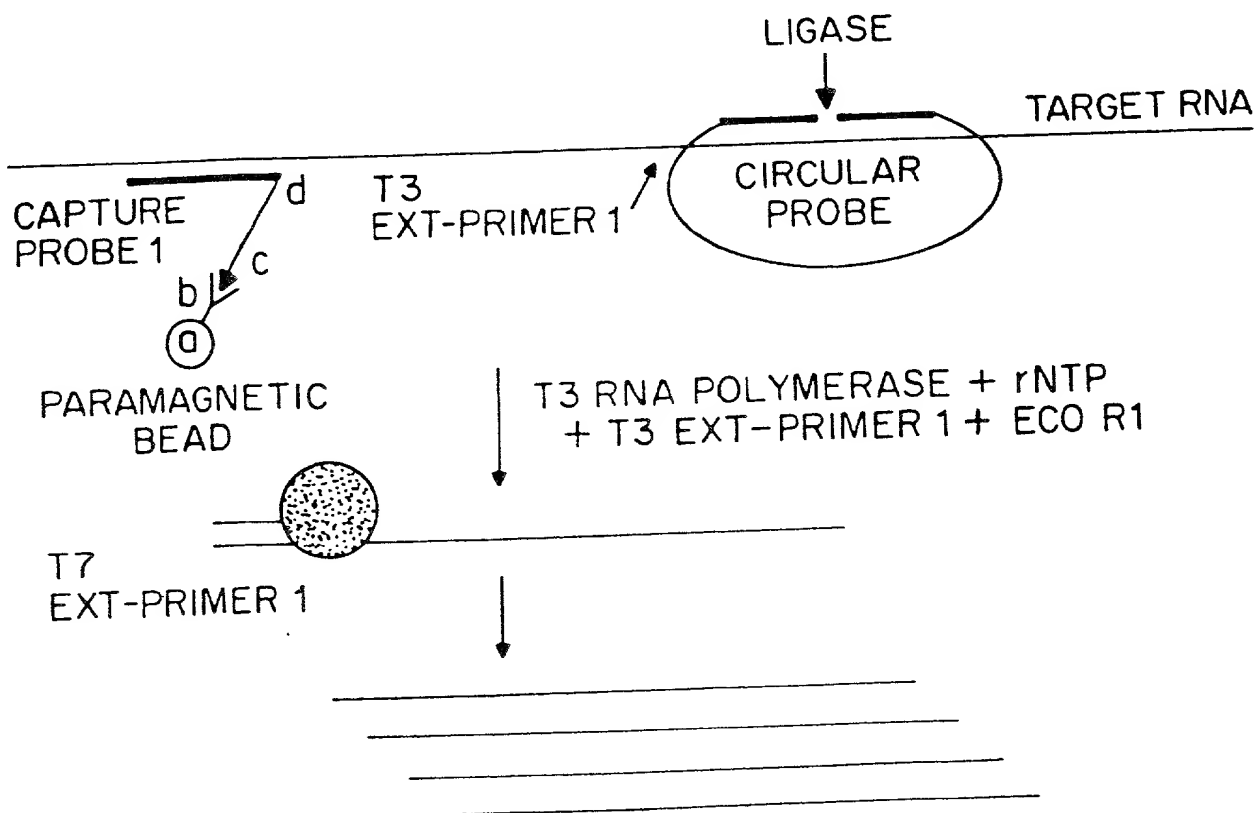


FIG. 24

29545
(190724)

RAM with 1, 2, and 3 primers

F

E

D

A B C D E F G

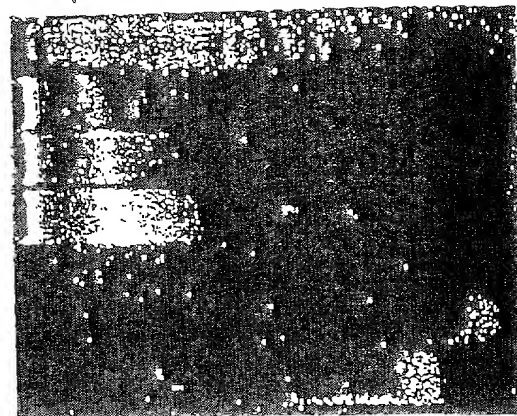


FIGURE 25

29545
(20 of 24)

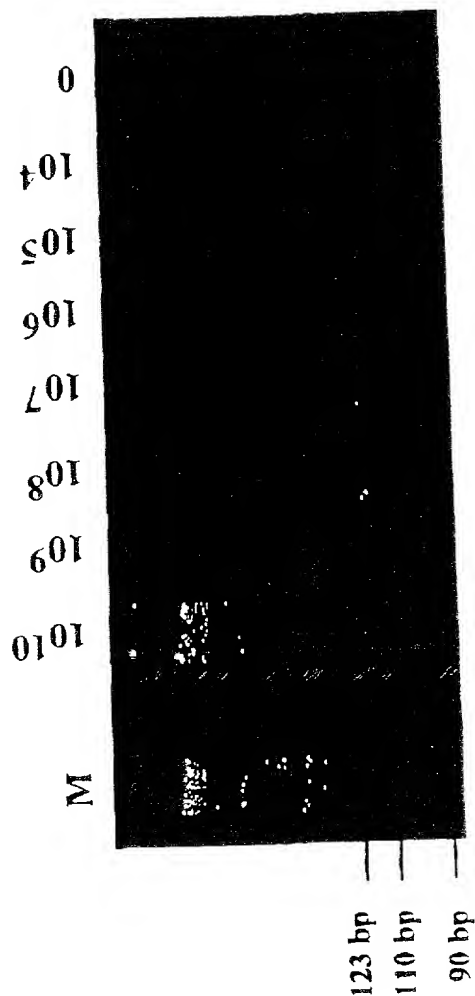


FIG. 26

29545
(21 of 24)

1.21

Target DNA

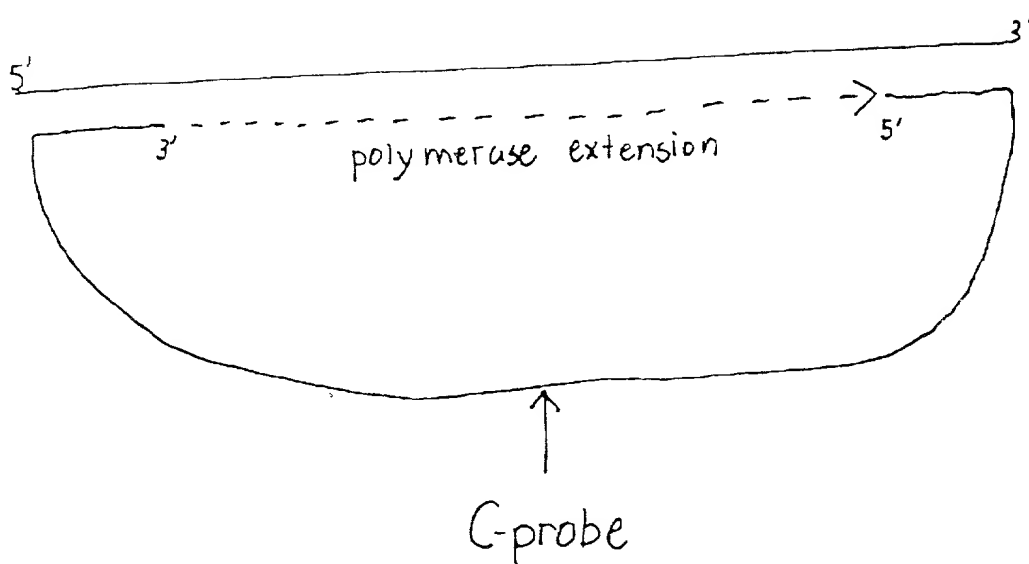


FIG 27

29545
(220424)

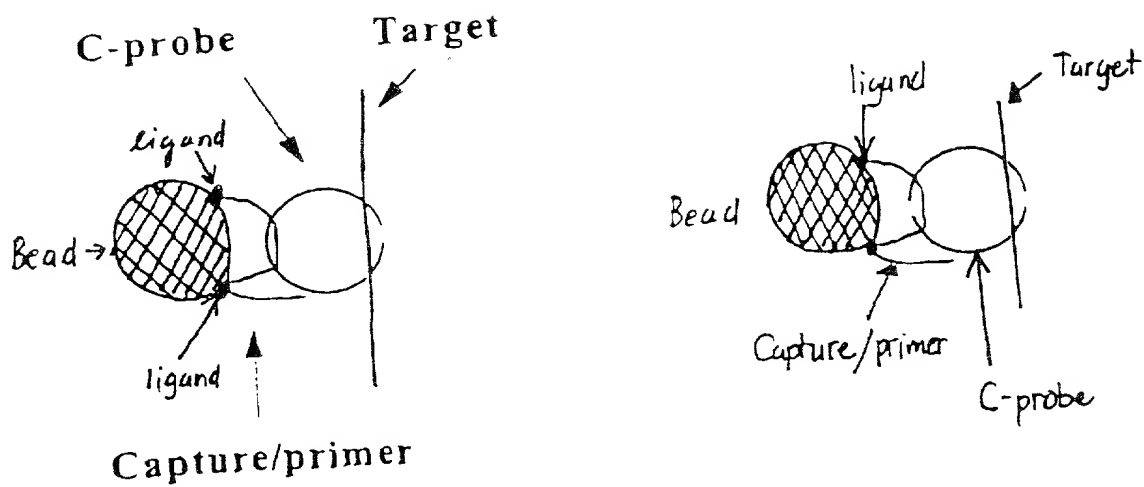


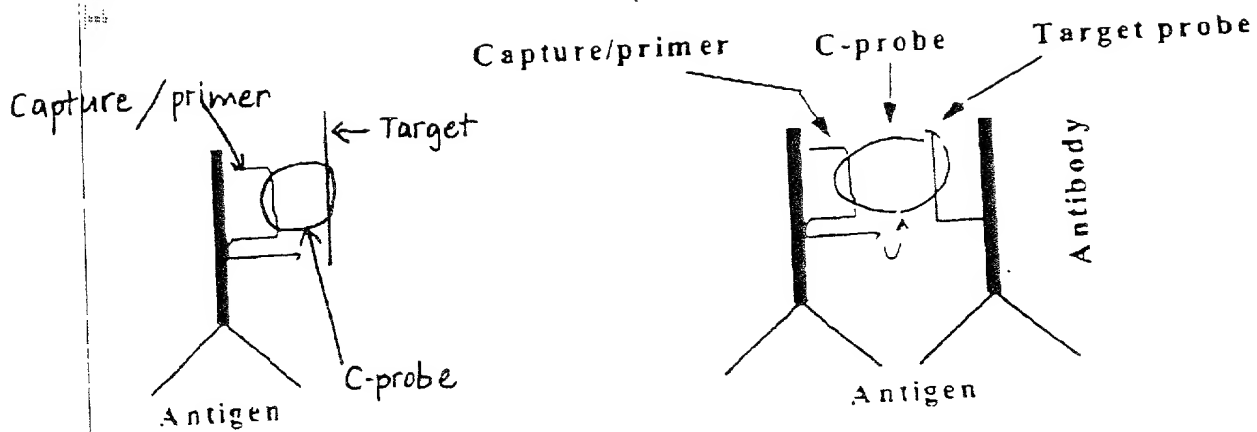
Figure 28

29545
(23 of 24)

OCT-12-2000 23:30

P.29

FIGURE 29



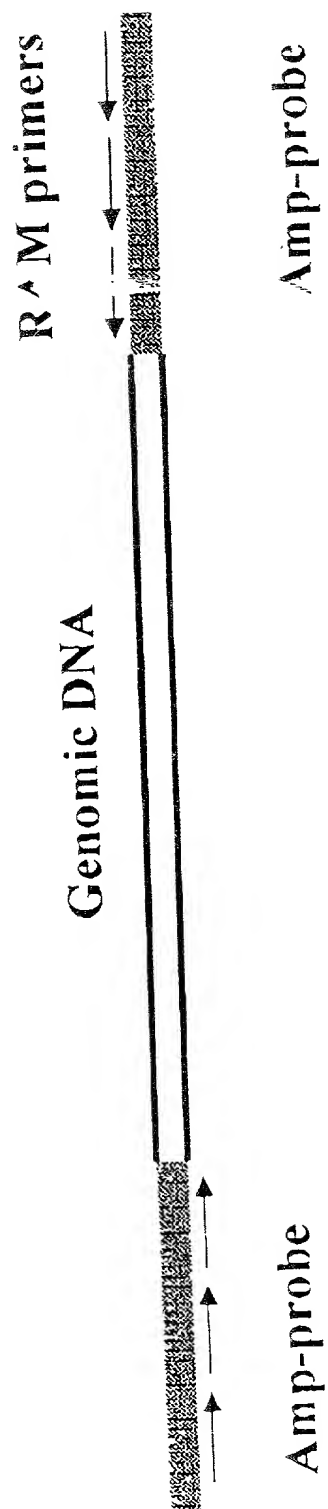


Figure 30